

Some Interrelationships of Structure and
Mechanism of Action in Several Tetracycline
Antibiotics, by V. K. Plakunov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biolog Sciences
Sections, Vol CLX, No 5, 1963, pp 1207-1210.

CB

Sci-
Aug 64

Optical Rotatory Dispersion of Deoxyribonucleic Acid
Extracted From T-2 Bacteriophage, by G. A. Dvorkin,
E. I. Golub, et al, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Section,
Vol CLI, No 5, 1963, pp 1211-1214

Amer Inst of Phys
Sov Phys - Dokt
Vol VIII, No 3

Sci.

Mar 64

Diurnal Dynamics of Electrical Activity of Plants Under
A Functional Load, by A. D. Semenenko, M. A. Khvedelidze,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Section,
Vol CLII, No 4, 1963, pp 1215-1218.

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 3

Sci.

Mar 64

Characteristics of the Dark Reaction of
Interconversion of Xanthophylls, by N. V. Bazhanova,
D. I. Sapozhnikov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, 3 Biolog Sciences
Sections, Vol CLI, No 5, 1963, pp 1219-1221.

CB

Sci-
Aug 64

ELECTRON MICROSCOPIC STUDY OF SUNFLOWER SEEDS
AND THE ACCUMULATION OF RESERVE SUBSTANCES, BY
I. N. SVESHNIKOVA, YU. P. BOLYAKINA, 5 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, ^{IN CRI} NO 5, 1963, PP 1222-
1224.

JPRS 21733

SCI-BIOL & MED SCI
NOV 63

241,291

The Leech Fauna of the Irkutsk Reservoir in Relation
to the Problem of the Immiscibility of the Baikal and
the Common Palearctic Faunae, by E. I. Lukin, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biolog Sciences
Sections, Vol CLI, No 5, 1963, pp 1225-1227.

CB

Sci-
Aug 64

The Range of Selectivity of Plants for the
Uptake ~~XXX~~ of Mineral Elements, by D. B. Vakhmistrov,
Z. I. Zhurbitskiy, 4 pp.'

RUSSIAN, per, Dok Ak Nauk SSSR, Biolog Sciences
Sections, Vol CLI, No 5, 1963, pp 1228-1231.

CB

Sci-
Aug 64

Vagal Escape and the Tarchanoff-Puelma Phenomenon
by E. B. Babitskiy, L. S. Ul'yaninskiy, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biolog Sciences
Sections, Vol CLI, No 5, 1963, pp 1232-1235,

CB

Sci-
Aug 64

S-1077/63

Hemoglobin Types in the Young Acipenseridae (Sturgeons)
by L. P. Golovanenko. NY-7919

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLI, No 3, 1963,
pp 1236-1237.

*J11

Sci - Med

Nov 63

Effect of Stimulating the Peripheral End of the
Splanchnic Nerve on the Secretory Function of the
Adrenal Cortex, by V. M. Rodionov, L. V. Orlova,
et al, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biolog Sciences
Sections, Vol CLI, No 5, 1963, pp 1238-- .

CB

Sci
Aug 64

Integral Representations of Functions Which are
Holomorphic in Convex Regions of C^n Space, by
L. A. Aizenberg, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLI, No 6, 1963,
pp 1247-1249.

Amer Math Soc

Sci -
Dec 63

Ergodic Properties of Geodesic Flows on Closed
Riemannian Manifolds of Negative Curvature, by
D. V. Anosov, 4 pp.

RUSSIAN, per, Dokl Ak Nauk SSSR, Vol CLI, No 6, 1963,
pp 1250-1252.

Amer Math Soc

Sci -
Dec 63

Imbedding of Crossed Products in Fields, by
A. A. Bovdi, 3 pp.

RUSSIA, per, Dok Ak Nauk SSSR, Vol CLI, No 6, 1963,
pp 1253-1255.

Amer Math Soc

Sci -
Dec 63

Incrementability of the Minimal Linear Measure With
the length of a Set, by A. G. Vitushkin, L. D. Ivanov,
5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLII, No 6, 1963,
pp 1125-1259.

Amer Math Soc

Sci
Dec 63

244.116

Asymptotic Behavior of Certain Rotational Motions,
by V. M. Volosov, B. I. Mergunov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLI, No 6, 1963,
pp 1260-1263.

Amer Math Soc

Sci -
Dec 63

Existence of Solutions of Linear Hamilton Equations
With Unbounded Operator Coefficients, by V. I. Derguzov,
V. A. Jakubovic, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLII, No 6, 1963,
pp 1264-1267.

Amer Math Soc

Sci -
Dec 63

A Generalization of Reductive Homogeneous Spaces, by
I. L. Kantor, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CLII, No. 4, 1963,
pp 1268-1270.

Amer Math Soc

Sci -
Dec 63

A Generalization of the T-Problem for the Equation
 $u_{xx} + \text{Sign } y u_{yy} = 0$, by G. Karatoprakdiev, 4 pp.

RUSSIAN, per, Dokl Ak Nauk SSSR, Vol CXL, No 6, 1963,
pp 1271-1273.

Amer Math Soc

Sci -
Dec 63

Non-Negative Characteristic Functions of the Laplace-Beltrami Operator on Symmetric Spaces of Nonpositive Curvature, by F. I. Karpelevic, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLI, No 6, 1963, pp 1274-1276.

Amer Math Soc

Sci -
Dec 63

Certain Extremum Problems in the Class of Polynomials
and Rational Functions, by D. I. Mamedhanov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLI, No 6, 1963,
pp 1277-1279.

Amer Math Soc

Sci -
Dec 63

Application of the Method of Least Squares to Eigenvalue Problems, by V. A. Medvedev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLI, No 6, 1963,
pp 12780-1282.

Amer Math Soc

Sci -
Dec 63

Universal Sequences of Functions, by D. Men'sov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLI, No 6, 1963,
pp 1283-1285.

Amer Math Soc

Sci -
Dec 63

Contractions Into Euclidean Spaces, by V. V. Proizvolov,
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLI, No 6, 1963,
pp 1286-1287.

Amer Math Soc

Sci -
Dec 63

Interpolation and Extrapolation of Linear Operators in
Orlicz Spaces, by I. B. Simonenko, 5 pp.

RUSSIAN, part, Dokl Ak Nauk SSSR, Vol CL, No 6, 1963,
pp 1288-1291.

Am. Math. Soc.

Sci -
Dec 63

244, 117

The Measure of the Set of S-Numbers in the P-Adic
Field, by V. G. Sprindzuk, 3 pp.

RUSSIAN, prer, Dok Ak Nauk SSSR, Vol CLI, No 6, 1963,
pp 1292.

Amer Math Soc

Sci -
Dec 63

Relationship Between Deducibility in the Intuitionist
Propositional Calculus and Finite Implicational Structures
V. A. Jankov, 1 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLII, No 1, 1963,
pp 1293-1294.

Amer Math Soc

Sci -
Dec 63

Some Questions on the Theory of Navigation, by
V. S. Shebshuevich, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Section,
Vol CLI, No 6, 1963, pp 1295-1298.

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 8

Sci

Mar 64

JPL 64-11

A Cross-Shaped Wing of Finite Span in a Compressible
Flow, by B. I. Fridlender, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Section,
Vol. CLI, No 6, 1963, pp 1299-1302. 9692711

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 8
FTD-TT-62-127 (111)

Sci

Mar 64

Loss of a Shell of Rotation Under an External Pressure
Uniformly Distributed Along a Parallel, by A. V. Pogorelov
4 pp.

RUSSIAN, per, Dokl Ak Nauk SSSR, Physics Section, Vol CLI,
No 6, 1963, pp 1303-1305.

Amer Inst of phys
Sov Phys - Dok
Vol VIII, No 8

Sci

Mar 64

The Accuracy of the Spectral Scheme of O III Used for the
Calculation of Its Recombination Spectra in Stars and
Nebulae, by A. A. Nikitin, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Section,
Vol CII, No 6, 1963, pp 1306-1307.

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 8

Sci

Mar 64

Sci

An Experimental Study of the Band Structure of
Hexagonal Crystals of Selenium and Tellurium, by
P. F. Sobolev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Section,
Vol CII, No 6, 1963, pp 1308-1310.

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 2

Sci

Mar 64

The Mechanism of Normal Crystal Growth, by V. T. Borisov,
3 pp.

RUSSIAN, per, Dokl Akad Nauk SSSR, Physics Section,
Vol CLII, No 6, 1963, pp 1311-1314.

Amer Inst of Phys
Sov Phys - Dokl
Vol VIII, No 6

Sci

Mar 64

COMPUTATION OF THE S_2 TIDAL COMPONENT FOR THE
PACIFIC OCEAN WATER AREA ON THE BESM-2 ELECTRONIC
COMPUTER, BY K. T. BODGANOV, V. A. MAGARIK, 6 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CL1, NO 6,
1963, PP 1315-1318.

JPRS 217X303

SCI-STAR SCI & ASTRON
NOV 63

240,686

Mossbauer Spectra of Complex Compounds of Iron
With Diacetylthiosemicarbazoxime,
by A. V. Ablov, G. N. Belozerskiy, et al, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLI, No 6, 1963, pp 1352-1355.

CB

Sci-
Aug 64

Electron Microscope Study of the Structure of
Carron and Lavsan Fibers Treated With
Phosphotungstic Acid, by E. M. Belavtseva,
K. Z. Gumargaliyeva, et al, 3 pp.

RUSSIAN: per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLI, No 6, 1963, pp 1356-1357.

CB

Sci-
Aug 64

The Nature of the Surface Oxides of Platinum
Formed in Anodic Discharge of Hydrogen Peroxide,
by A. I. Brodskiy, V. A. Lumenok-Burmakina, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLI, No 6, 1963, pp 1358-1359.

CB

Sci-
Aug 64

Some Results of an X-Ray Spectral Study of
Cerium and Lanthanum Hydrides, by E. E. Vainshtein,
M. N. Brill', et al, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLI, No 6, 1963, pp 1360-1363.

CB

Sci-
Aug 64

The Effect of Pressure on the Graphite-Cementite
Equilibrium in the Iron-Carbon System,
by T. P. Ershova, E. G. Ponyatovskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLI, No 6, 1963, pp 1364-1367.

CB

Sci-
Agu 64

The Elastic Properties and Crystallization of
Glasses, by E. K. Keler, E. I. Kozlovskaya, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLI, No 6, 1963, pp 1368-1370.

CB

Sci-
Agu 64

"Negative Temperature" in Reversible
Photochemical Reactions, by M. G. Kuz'min, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLI, No 6, 1963, pp 1371-1374.

CB

Sci-
Aug 64

Change in Mechanism of the Electrochemical
Reactions in a Nonprotegenic Medium When a
Proton Donor is Added, by E. S. Levin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLI, No 6, 1963, pp 1375-1378.

CB

Sci-
Aug 64

Kinetic and Catalytic Currents at a Hanging
Drop Electrode, by V. G. Levich, Z. Ch. Grabovskiy,
et al, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical
Chemistry, Section, Vol CLI, No 6, 1963,
pp 1379-1382.

CB

Sci-
Agu 64

The General Equation and Electrical Analog of
the Electrolytic Cell with Stationary Spherical
Microelectrodes, by R. Sh. Nigmatullin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical
Chemistry, Section, Vol CLI, No 6, 1963,
pp 1383-1386.

CB

Sci-
Agu 64

Estimated Rate Constants for Radiational Reactions
Involving Hydrated Electrons, by A. K. Pikayev,
P. Ya. Glazunov, et al, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical & Chemistry
Section, Vol CLI, No 6, 1963, pp 1387-1389.

CB

Sci-
Aug 64

The Influence of the Reaction Medium on a Catalyst
Under Catalysis Conditions, by A. Ya. Rozovskiy,
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLI, No 6, 1963, pp 1390-1392.

CB

Sci-
Aug 64

The Chemistry of the Action of Modifiers in
Graphitized Alloys, by A. A. Baranov,
K. P. Bumin, 2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Chemical
Technology Section, Vol 21, No 6, 1963,
pp 1293-1294.

(CB

Sci

Apr 64

S-937/63

Nature of the Magnetic Anomalies in the Transition
Region from the Asiatic Continent to the Pacific
Ocean, by A. G. Gaymanov, et al, NY-7004

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLI, No 1, 1963,
pp 1599-1401.

*JPRS

Sci - Ear Sci

Oct 63

BLEPHAROPLAST CYTOCHEMISTRY IN TRYPANOSOMA,
SCHIZOTRYPANUM, GRUZI, BY V. D. KALLINIKOVA,
G. I. ROSKIN, 7 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL 8 CL1, NO 6,
1963, PP 1437-1440.

JPRS 22340

SCI-MED
DEC 63

244,327

The "Clear" Cells of the Thyroid Gland, by
M. P. Gorbunova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biolog Sciences
Sections, Vol CLI, No 6, 1963, pp 1441-1443.

CB

S:i-
Aug 64

The Effect of Pollen Quantity on the Fertilization
of *Mirabilis Jalapa*, O. M. Gavrilova, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biolog Sciences
Sections, Vol CLI, No 6, 1963, pp 1444-1445.

CB

Sci-
Aug 64

The Indian Cuckoo (Cuculus M. Micropterus Gould)-
A Nest Parasite of the Amur Shrike (Lanius Cristatus
Confusus Stegm), by I. A. Neifel'dt, 3 pp.

RUSSIAN paper, Dok Ak Nauk SSSR, Biolog Sciences
Sections, Vol CLI, No 6, 1963, pp 1446-1452.

CB

Sci-
Aug 64

Regenerative Processes in ~~PERMANENT~~ Duodenal Mucosa After
Radiation Injury, by I. A. Chalisov, L. B. Berlin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Section, Vol CLI,
No 5, 1963, pp 1450-1452.

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 8

Sci

Mar 64

Ability of Uridine Diphosphate Glucose Analogs to
Participate in Sucrose Biosynthesis,
by N. D. Gabrielyan, M. A. Novikova, et al, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biolog Sciences
Sections, Vol CLI, No 6, 1963, pp 1453-1455.

CB

Sci-
Aug 64

S-1079/63

Distribution of Sr^{90} and Ru^{106} in the Basal Organs
of the Pine Tree, by G. I. ~~MOCHOM~~ Mochomina,
P. I. Tushkov, et al. SF-2920

RUSSIAN, per, Dok Ak Nauk, Vol 311, No 1, 1963,
pp 1456-1457.

*JPRS

Sci - Med

Nov 63

The Process of Division of Trichodina Truttae Mueller
(Infusoria, Peritrichia, E. A. Bogdanova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biolog Sciences
Sections, Vol CLI, No 6, 1963, pp 1458-1461.

CB

Sci-
Aug 64

Electrical Activity of Single Neurons of the
Somatosensory Cortex, by T. D. Dzhavrishvili, 4 pp.

RUSSIAN, per. Dok Ak Nauk SSSR, Biolog Sciences
Sections, Vol CLI, No 6, 1963, pp 1462-1465.

CB

Sci-
Aug 64

Comparison of the Dynamics of Invagination of the
Chordomesoderm in Sturgeon and Axolotl Embryos,
by G. M. Ignat'yeva, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biolog Sciences
Sections, Vol CLI, No 6, 1963, pp 1466-1469.

CB

Sci-

Aug 64

Destruction of Vertebrate Erythrocytes in the
Alimentary Canal of Bloodsucking Arthropods,
by Yu. S. Balashov, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biolog Sciences
Sections, Vol CII, No 6, 1963, pp 1470-1473.

CB

Sci-

Aug 64

A Study of the Developmental Cycle in the Cestode
Raillietina (Skrjabinia) Fedjuschina Skutar, 1963,
A Parasite of the Domestic Fowl, by I. G. Skutar',
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biolog Sciences
Sections, Vol CL1, No 6, 1963, pp 1474-1475.

CB

Sci-
Aug 64

HYALURONIDASE AT DIFFERENT STAGES OF THE LIFE
CYCLE OF *ICHTHYOPHTHYRIUS MULTIFILIIS*, BY A. V.
USPENSKAYA, 5 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CLI, NO 6, 1963,
PP 1476-1478.

JPRS 22340

SCI-MED
DEC 63

244,328

Indices of Functions on Riemann Surfaces, by
L. A. Mitsent'ev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Math Section, Vol CLII,
pp 9-12.

Amer Math Soc

Sci

Feb 64

First and Second Boundary Value Problems for Elliptic
Equations Which Degenerate at a Finite Number of
Interior Points, by A. I. Acil'diev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Math Section, Vol CLII,
pp 13-16.

Amer Math Soc

Sci

Feb 64

On Ehresmann's Theory of Jets, by V. V. Vagner, 3 pp.

RUSSIAN, per, Dokl Ak Nauk SSSR, Math Section, Vol CLII,
pp 17-19.

Amer Math Soc

Sci

Feb 64

Certain Classes of Vector Chains and Their Applications to
the Theory of Semi-Ordered Spaces, by A. I. Veksler, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Math Section, Vol CLII,
pp 20-23.

Amer Math Soc

Sci

Feb 64

The ~~EXTREMAL~~ Extremal Matrix Algebra, by N. N. Vorob'ev,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Math Section, Vol CLII,
pp 24-27.

Amer Math Soc

Sci

Feb 64

Eigenvalue Problems for Second-Order Equations With
Non-Linear Dependence on the Parameter λ , by
Ju. N. Dnestrovskiy, D. P. Kostomarov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Math Section, Vol CLII,
pp 23-30.

Amer Math Soc

Sci

Feb 61

On the Nonsummability of Orthogonal Series by Linear
Methods, by A. V. Efimov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Math Section, Vol CLII,
pp 31-34.

Amer Math Soc

Sci

Feb 64

A Variational Method of Solving a Class of Degenerate
Elliptic Equations, by I. A. Kiprijanov, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Math Section,
Vol CLII, pp 35-38.

Amer Math Soc

Sci

Feb 64

The Spectral Function of a Selfadjoint Operator in a
Space With Indefinite Metric, by M. G. Krein,
G. K. Langer, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Math Section, Vol CLII,
pp 39-42.

Amer Math Soc

Sci

Feb 64

Geodesic Correspondence of Semireducible Riemannian
Spaces, by G. I. Kruckovic, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSR, Math Section, Vol CLII,
pp 43-45.

Amer Math Soc

Sci

Feb 64

On the Arithmetic of Rational Surfaces, by I. Ju. Manin,
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Math Section, Vol CLII,
pp 46-49.

Amer Math Soc

Sci

Feb 64

On Weakly Complete Continuity of a Linear $\mathbb{R}$ Mapping and
Its Conjugate, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Math Section, Vol CLII,
pp 50, 51.

Amer Math Soc

Sci

Feb 64

Some Geometric Properties of Nonreflexive Spaces, by
D. P. Mil'man, V. D. Mil'man, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Math Section, Vol CLII,
pp 52-54.

Amer Math Soc

Sci

Feb 64

A Constructive ~~Map~~ Mapping of a Square Onto Itself
Displacing Every Constructive Point, by V. P. ~~Sere~~
Orevkov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Math Section, Vol CLII,
pp 55-58.

Amer Math Soc

Sci

Feb 64

Decomposition Into Irreducible Representations of the
Restriction of the Representations of the Principal
Series of the Proper Lorentz Group to the Real Lorentz
group, by B. D. Roman, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Math Section, Vol. CLII,
pp 59-62.

Amer Math Soc

Sci

Feb 64

Asymptotic Behavior and Existence of a Solution of the
Cauchy Problem for a First Order Differential Equation
With a Small Parameter in a Banach Space, by
V. A. Trenogin, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Math Section, Vol CLII,
pp 63-66.

Amer Math Soc

Sci

Feb 64

ALGORITHMIC PROBLEMS IN PARTIALLY ORDERED GROUPS,
BY V. I. FRENKEL, 6 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CLII, NO 1, 1963,
PP 67-70.

JPRS 21898

SCI-MATH
NOV 63

Amer Math Soc
242,213

Decomposition of a Set of Poisson-Stable Motions
Into ~~XXXX~~ Invariant Classes, by B. A. Scerbakov, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Math Section, Vol CLII,
1963, pp 71-74.

Amer Math ~~Soc~~Soc

Sci

Feb 64

The Arrangement of Intermediate Information When Computing
on Nonrelating Turing Machines, by N. V. Belyakin, 5 pp.

RUSSIAN, per, Dokl Ak Nauk SSSR, Vol GLII, No 1, 1963, pp 75-77.

JPRS 23603

Sci-Biol & Med
Jan 64

243, 572

*Review of Phys
Sci Phys - Dokl
Vol VIII, No 9*

Analytic Structure of the Membrane Equation
Solution, by N. F. Morozov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physics Sections,
Vol CLIII, No 4, 1963, pp 78-80.

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 9

Sci

Mar 64

Magnetic Susceptibility of Semiconducting
Elements of Group IV. Determined on the Basis
of X-Ray Analysis, by N. N. Sirota, A. U. She-
leg, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics
Sections, Vol CLII, No 4, 1963, pp 81-83.

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 9

Sci

Mar 64

The Instability of a Gas Discharge in a Magnetic
Field with no Longitudinal Current, by
A. V. Timofeyev, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physics
Sections, Vol CLII, No 4, 1963, pp 84-87.

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 9

Sci

Mar 64

Optical Method of Determining the Variation
of the Melting Point of Graphite as a Function
of Pressure at Pressures up to 3000 atm,
by N. S. Fateyeva, L. F. Vereshchagin, et al,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics
Sections, Vol CLIII, NO 9, 1963, pp 88-91.

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 9

Sci

Mar 64

Suzuki Arrangements in Brasses and Aluminum Bronzes, by
V. V. Ponomarev, 12 pp.
RUSSIAN, in: *IZVESTIYA AN SSSR*, Vol. XLII, No 1, Sep 1963,
pp 92-93. (Reviewed, Table of Contents)

JPRS 22981

Sci-M/M
Feb 64

248, 1485

*Amer Inst of Phys
Am Phys - Doh
Vol VIII, No 9*

RESONANCE THEORY OF CHEMICAL REACTION RATES, BY
A. M. BRODSKIY, A. YA. TEMKIN, 6 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CLII, NO 1,
1 SEP 1963, PP 127-130.

JPRS 21897

SC -CHEM
NOV 63

242,194

Theory of Ignition of Condensed Systems by a
Glowing Surface, by V. N. Vilyunov, O. B. Sidonsky,
6 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLII, No 1,
1965, pp 124-129. 9090287
FTD-IT-64-956

Sci - Engr
mar 65

276,908

**Complexing Equilibrium Between Palladium Chloride
and Ethylene in Aqueous Solutions, by**

I. I. Mysayev.

**RUSSIAN, per, Dok Ak Nauk SSSR, Vol 152, No 1,
1963, pp 147-150.**

ATS RJ-5177

**Sci-Chem
July 69**

385,744

An Algorithm for the Optimization of Production and
Distribution of Nonuniform Commodities, by E. S.
Verhovskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Math Section, Vol CLII,
1963, pp 151-158.

Amer Math Soc

Sci

Feb 64

Operating Conditions of a Chemical Flow Reactor
During an Exothermal Monomolecular Reaction, by
I. I. Sal'nikov, B. V. Vol'ter, 4 pp.
RUSSIAN, Izv. Akad. Nauk SSSR, Chemical Section,
Vol. CLII, No 1, 1963, pp 171-174.

CB

May 65

The Isoelectric Point of the Nucleolus, Nucleus, and
Cytoplasm of Cells of the Growth Cones of Wheat,
and the Mitotic Activity of the Cells, by L. P.
Chel'tsova, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biological Sections,
Vol CLII, No 1, 1963, pp 198-201.

CB

May 65

THE EFFECT OF IONIZING RADIATION ON MAMMALIAN HEART
MUSCLE, BY T. V. TARAPINA, 6 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CLII, NO 1, 1963,
PP 202-204.

JPRS 22082

CB

SCI-BIOL & MED SCI
DEC 63

243,023

Effect of Certain Metabolites on Somatic Mutations
in Erysimum cheiranthoides L., by V. L. Pyzhkov,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biological Sections,
Vol CLII, No 1, 1963, pp 205-207.

CB

May 65

EXPERIMENT IN LARGE-SCALE MAPPING OF RODENT
POPULATION, BY YE. M. ~~SNIGIREVSKAYA~~ SNIGIREVSKAYA,
7 PP.

RUSSIAN, PER. DOK AK NAUK SSSR, VOL CLII, NO 1,
1963, PP 207-211.

JPRS 21985

SCI-BIOL & MED SCI
DEC 63

also CP

242,958

Polyploid Yeast-like Fungi of the Genus Candida,
by A. A. Imshenetskiy, L. I. Solntseva, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biological Sections,
Vol CLII, No 1, 1963, pp 212-214.

CB

May 65

DECREASE IN THE EFFECTIVENESS OF THE SHIELDING ACTION
OF CYSTEAMINE AFTER REPEATED IRRADIATION, BY X
S. N. ALEKSANDROV, K. F. GALKOVSKAYA, 5 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CLII, NO 1, 1963,
PP 215-217.

JPRS 22182

SCI-BIOL & MED SCI

CB

DEC 63

243,024
*Amended by [unclear]
from [unclear] - [unclear]
Vol VIII, No 9*

The Mechanism of the Origin of Stimulation in Single
Macrophages by O. B. Ilinskiy, V. B. Fiks, 8 pp.
RUSSIAN, *Tr. Vsesoyuzn. Nauch. SSNR*, v Vol CLII, No 1,
1963, pp 214-221

X Navy Tr 3748/NMS 854

Sci - Biol & Med
Mar 64

CB

251,674

*Answer sheet of the
from the - Date
Vol VIII, Tr 9*

Distribution of Polar and Non-Polar Lipids in a
Reversed-Phase Chromatographic System, by A. B.
Vereshchagin, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biological Sections,
Vol CIII, No 1, 1963, pp 221-224.

CB

May 65

Ribonuclease Activity of Various Functional Zones
of the Cerebral Hemispheres, by G. A. Nechayeva, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biological Sections,
Vol CIII, No 1, 1963, pp 225-227.

CB

May 65

Lipids of a Preparation of Dehydrogenases from the
Cytoplasmic Membrane of *Micrococcus lysodeikticus*,
by A. I. Oparin, N. S. Gel'man, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biological Sections,
Vol CLII, No 1, 1963, pp 228-230.

CB

May 65

Physiological Changes in Spring Wheat Under Drought
Conditions, by B. I. Shcherbakov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biological Sections,
Vol CLII, No 1, 1963, pp 231-234.

CB

May 65